

CENTRAL INTELLIGENCE AGENCY INFORMATION REPORT

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COUNTRY China

REPORT

SUBJECT Electronic Laboratory Equipment
and X-Ray Specialists, Shanghai

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Information

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THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

1. The list below gives the type, purpose or purposes, and date of installation of x-ray machines in medical institutions in Shanghai. The abbreviations in the list are as follows: MA - milliamperes, KV - kilovolts, FL - fluoroscopy, R - radiography, ST - superficial therapy, DT - deep therapy, MR - mass radiography, and P indicates that the x-ray equipment was installed prior to the Communist occupation of Shanghai in May 1949. Unless otherwise indicated, the machines were new when installed.

Institution	Type(s)	Purpose(s)	Date of Installation
a. First Municipal Hospital (former General Hospital), near Soochow Creek and opposite Post Office, Hongkew.	North American Phillips, ¹ 200 MA, 100 KV Skandia, 300 MA, 110 KV Watson Mobile, 50 MA, 80 KV Victor, 70 MA, 80 KV Gibbs, 30 MA, 80 KV	FL/R/ST FL/R/ST R FL FL	P Early 1954 P P Late 1949
b. Second Municipal Hospital, Nan T'ao.	Sanitas, 200 MA, 100 KV Siemens, 100 MA, 100 KV	FL/R FL/R	1950 P
c. Sixth Municipal Hospital (former Country Hospital), on Great Western Road.	Keleket, 200 MA, 100 KV Picker, 50 MA, 100 KV	FL/R FL/R/ST	1953 ² P

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<u>Institution</u>	<u>Type(s)</u>	<u>Purpose(s)</u>	<u>Date of Installation</u>
d. Municipal ³ (former Lester) Hospital, on Shansi Road.	North American Phillips 200 MA, 100 KV Smit, 200 MA, 100 KV Sanitas, 30 MA, 100 KV Victor, 30 MA, 80 KV Mueller, 500 MA, 100 KV Peerless, 50 MA, 80 KV	FL/R/ST FL/R FL R FL/R/ST R	P 1953 Early 1954 " " 1950
e. Shanghai Medical College and Hospital (former Chung Shan Memorial Hospital), in Nan T'ao.	Keleket, 200 MA, 100 KV Keleket, 200 MA, 100 KV Keleket, 15 MA, 220 KV Keleket, 15 MA, 220 KV Keleket, 10 MA, 440 KV Siemens, 100 MA, 100 KV Mattern, 30 MA, 80 KV G.E., 15 MA, 80 KV	FL/R FL/R DT DT DT FL/R FL FL	P P P P P P P P
f. Red Cross Hospital, at Avenue Haig and Ti Feng Road.	Phillips, 200 MA, 100 KV Victor, 50 MA, 100 KV Schoenander, 200 MA, 100 KV Fischer, 30 MA, 80 KV Siemens, 10 MA, 200 KV G.E., 100 MA, 100 KV Picker, 50 MA, 110 KV Picker, 50 MA, 110 KV Victor, 30 MA, 100 KV Sanitas, 10 MA, 110 KV Phillips 200 MA, 90 KV	FL/R/ST FL R FL DT MR ST FL FL ST MR	P P 1952 P P 1950 1950 ⁴ 1953 ⁴ 1953 ⁵ 1953 ⁵ 1949
g. Transport Workers Hospital, on Yates Road.	Unix, 200 MA, 100 KV	FL/R	1952
h. St. Elizabeth's Hospital, on Peking Road.	Phillips, 200 MA, 100 KV Keleket, 15 MA, 220 KV	FL/R DT	P P
i. Shanghai Mercy Hospital.	San Yei, 100 MA, 100 KV	FL/R	P
j. Chang Cheng Sanatorium for Tuberculosis, Kiangwan.	Phillips, 200 MA, 100 KV	FL/R/ST	P
k. Szechuan Road Clinic of Chang Cheng Sanatorium.	Skandia, 300 MA, 100 KV Siemens, 100 MA, 100 KV San Yei, 100 MA, 100 KV Schoenander, 300 MA, 100 KV San Yei, 100 MA, 100 KV	R FL/R/ST FL/R MR MR	1952 P P 1951 P
l. Bubbling Well Road Clinic of Chang Cheng Sanatorium.	Skandia, 300 MA, 100 KV Watson, 150 MA, 100 KV	FL/R FL/R	1953 1953
m. Anti-Tuberculosis Association (ATBA) Hospital, Hungjao.	Keleket, 200 MA, 100 KV	FL/R	P
Clinic #1 of ATBA, Fang Wan T'u Road	Acme, 100 MA, 100 KV	FL/R	1951 ⁴

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<u>Institution</u>	<u>Type(s)</u>	<u>Purposes(s)</u>	<u>Date of Installation</u>
Clinic #2 of ATBA, Route Grouchy	Holland Phillips, 250 MA, 100 KV Siemens, 50 MA, 80 KV Peerless, 50 MA, 100 KV Mattern, 30 MA, 80 KV Westinghouse, 200 MA, 90 KV	FL/R FL FL/R FL MR	1952 P P P 1949
Clinic #3 of ATBA, Lloyd Road	Hua Tung, 100 MA, 100 KV San Yei, 60 MA, 90 KV Westinghouse, 15 MA, 80 KV	FL/R R FL	1954 1952
n. Navy Hospital, on Range Road between N. Szechuan and Woosung Roads, Hongkew	Keleket, 200 MA, 100 KV Machine of undetermined type	FL/R	undetermined "
o. Eden Hospital, on Avenue de Roi Albert.	Sanitas, 150 MA, 100 KV	FL/R	P
p. Children's Hospital, on Route Zikawei.	Skandia, 300 MA, 100 KV	FL/R	1952
q. Biological Research Institute, on Rue Delastre near Route Zikawei.	Siemens, 15 MA, 220 KV	DT	1953
r. Radium Institute, on Avenue Joffre near Route Winling.	Undetermined " " "	DT DT ST FL/R	P P P P
s. Tung Ta Hospital, on Yates Road near Avenue Joffre.	Phillips, 200 MA, 100 KV Siemens, 15 MA, 220 KV	FL/R DT	1952 P
t. Former Sino-American Hospital, on Berkill Road, near Bubbling Well Road.	G.E., 100 MA, 100 KV	FL/R	P

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4. Young medical doctors are being trained in the use of the cardiograph at the Red Cross Hospital on Avenue Haig and Ti Feng Road. The training is under the supervision of Doctor TAO (fnu), who recently published a book on cardiography. Medical doctors are also being trained at the Red Cross Hospital by Doctor TZU Tsung in the use of x-ray machines and in the analysis of x-ray pictures. TZU is well-known in Shanghai as an x-ray specialist and is the head of the x-ray department of the Sixth Municipal Hospital. He also maintains a private medical practice on Seymour Road near Bubbling Well Road.

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5. The United Trading Company, Shanghai. One of the directors is LI (2621) (fnu), and the manager is WANG Kung-wei, who is known as K. W. WANG. The company sells directly to hospitals in Shanghai. Representatives of the central government in Peip'ing handle the purchasing of hospital equipment from the United Trading Company for hospitals outside the Shanghai area.

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9. The Chinese are manufacturing medical equipment in the old General Electric Factory in Yangtzepoo, Shanghai, formerly operated by Anderson-Meyer Company. The Hua Tung x-ray machine at Clinic #3 of the Anti-Tuberculosis Association Hospital was produced there. Actually, the machine was assembled largely from parts made in the United States.

10. In January 1953, the x-ray Service Bureau was established in the Radium Institute on Avenue Joffre by the Shanghai Municipal Health Department. The bureau was made responsible for the servicing and installing of x-ray machines in Shanghai hospitals and other medical institutions. However, it proved ineffectual and now services only the x-ray machines and other mechanical equipment in the Radium Institute. An employee of the bureau is Loch (fnu)

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11. The servicing and installing of x-ray machines in Shanghai hospitals and other medical institutions, except the Radium Institute, are handled by the Electronic Equipment Company (7193/1311/7193/0892/5887), 10 Mowming Road, Southern, Shanghai. The company also installs and repairs electro-cardiographs, diathermy machines and other hospital laboratory equipment. L. Y. SUN is the owner and manager. Since May 1954 K. W. CH'EN (7115) has been the chief technician in the Nanking Central Hospital.

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12. The Electronic Equipment Company also employs three skilled laborers: CH'EN (fnu), KAO (fnu), and P'AN (fnu). None of them received any formal technical training. They have been employed by the Electronic Equipment Company since its establishment in early 1950. Each receives a monthly salary of 220 wage units, which equal JMP 1,155,000. The company also has two apprentices. The name of one is F'ANG (fnu). Each receives approximately 75 wage units, which equal JMP 393,750. There is also one office worker. His name is Y. B. CH'EN.
13. The Electronic Equipment Company paid approximately JMP 5,000,000 in profit taxes for the year 1953. It also pays a general sales tax of 9.6 percent of its total income. Each Chinese employee of the company is also requested by the government to purchase on a so-called voluntary basis approximately JMP 100,000 worth of 20 years maturity bonds every six months.
14. All Chinese members of the Electronic Equipment Company are required by the municipal government to attend a district political meeting twice a week, each meeting lasting about two hours. However, FANG, the apprentice, is actually the only employee to attend the meetings and acts as a representative for the entire company. [redacted] the municipal authorities had not compelled the other workers to attend the meetings.
15. The working hours for employees of the Electronic Equipment Company are from 8:30 a.m. to 5:30 p.m. daily except Sunday, with one hour for lunch.

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Comments

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1. [redacted] trade names of the x-ray machines given in this report are well-known. For convenience, however, the country where each is produced is as follows:

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|--------------------|---|--|
| a. United States | : | North American Phillips, Gibbs, Keleket, Picker, Peerless, Mattern, Victor, Fischer, G.E., Acme, Westinghouse. |
| b. Germany | : | Sanitas, Siemens, Smit, Mueller, Schoenander, Unix. |
| c. Sweden | : | Skandia. |
| d. Japan | : | San Yei. |
| e. England | : | Watson |
| f. Communist China | : | Hua Tung (see paragraph 9). |
| g. Netherlands | : | Holland Phillips. |

Note that where only the name Phillips appears in paragraph 1 of this report it is intended for North American Phillips and not Holland Phillips.

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2. [] this machine was not new when it was installed. It was obtained from another hospital in Shanghai.

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3. [] this is one of the numbered municipal hospitals, possibly the fifth.

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4. []

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5. [] this was old, salvaged equipment obtained from the hospital's warehouse.

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Comments.

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7. [] the Flame Company might actually be a subsidiary of the United Trading Company.

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8. [] this was probably the only Hua Tung x-ray machine ever produced.

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